

CRF Errors Corrected by the STIC Systems Branch

CRF Processing Date: 1/3/2002

Edited by: [Signature]

Verified by: [Signature]

Serial Number: 09/658,621

ENTERED

RECEIVED
FEB 05 2002
STIC CENTER 160012900

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: _____
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: _____
- ☒ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: 67
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: _____
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: _____
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: _____
- ☐ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as _____
- ☐ Inserted mandatory headings, specifically: _____
- ☐ Corrected an obvious error in the response, specifically: _____
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: _____
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted **ending** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____
- ☐ Other: _____

*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95



1600

RAW SEQUENCE LISTING

DATE: 01/31/2002

PATENT APPLICATION: US/09/658,621

TIME: 20:33:24

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\01312002\I658621.raw

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4 <110> APPLICANT: Taylor-Papadimitriou, Joyce
5      Heukamp, Lukas Carl
6      Offringa, Rienk
7      Melief, Cornelis Johanna Maria
8      Acres, Bruce
9      Thomas, Mireille
11 <120> TITLE OF INVENTION: MUC-1 derived peptides
13 <130> FILE REFERENCE: 029395-017
15 <140> CURRENT APPLICATION NUMBER: US 09/658,621
16 <141> CURRENT FILING DATE: 2000-09-08
18 <150> PRIOR APPLICATION NUMBER: US 60/187,215
19 <151> PRIOR FILING DATE: 2000-03-03
21 <150> PRIOR APPLICATION NUMBER: GB 9921242.5
22 <151> PRIOR FILING DATE: 1999-09-08
24 <150> PRIOR APPLICATION NUMBER: EP 99 40 2237.4
25 <151> PRIOR FILING DATE: 1999-09-10
27 <160> NUMBER OF SEQ ID NOS: 67
29 <170> SOFTWARE: PatentIn Ver. 2.1
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32 <211> LENGTH: 1572
33 <212> TYPE: DNA
34 <213> ORGANISM: Homo sapiens
36 <220> FEATURE:
37 <221> NAME/KEY: CDS
38 <222> LOCATION: (58)..(1542)
40 <400> SEQUENCE: 1
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43 atg aca ccg ggc acc cag tct cct ttc ttc ctg ctg ctg ctc ctc aca      105
44 Met Thr Pro Gly Thr Gln Ser Pro Phe Phe Leu Leu Leu Leu Leu Thr
45 1          5          10          15
47 gtg ctt aca gtt gtt aca ggt tct ggt cat gca agc tct acc cca ggt      153
48 Val Leu Thr Val Val Thr Gly Ser Gly His Ala Ser Ser Thr Pro Gly
49          20          25          30
51 gga gaa aag gag act tcg gct acc cag aga agt tca gtg ccc agc tct      201
52 Gly Glu Lys Glu Thr Ser Ala Thr Gln Arg Ser Ser Val Pro Ser Ser
53          35          40          45
55 act gag aag aat gct gtg agt atg acc agc agc gta ctc tcc agc cac      249
56 Thr Glu Lys Asn Ala Val Ser Met Thr Ser Ser Val Leu Ser Ser His
57          50          55          60
59 agc ccc ggt tca ggc tcc tcc acc act cag gga cag gat gtc act ctg      297
60 Ser Pro Gly Ser Gly Ser Ser Thr Thr Gln Gly Gln Asp Val Thr Leu
61 65          70          75          80
63 gcc ccg gcc acg gaa cca gct tca ggt tca gct gcc acc tgg gga cag      345

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RAW SEQUENCE LISTING

DATE: 01/31/2002

PATENT APPLICATION: US/09/658,621

TIME: 20:33:24

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\01312002\I658621.raw

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65      85      90      95
67 gat gtc acc tcg gtc cca gtc acc agg cca gcc ctg ggc tcc acc acc 393
68 Asp Val Thr Ser Val Pro Val Thr Arg Pro Ala Leu Gly Ser Thr Thr
69      100      105      110
71 ccg cca gcc cac gat gtc acc tca gcc ccg gac aac aag cca gcc ccg 441
72 Pro Pro Ala His Asp Val Thr Ser Ala Pro Asp Asn Lys Pro Ala Pro
73      115      120      125
75 ggc tcc acc gcc ccc ccg gcc cac ggt gtc acc tcg gcc ccg gac acc 489
76 Gly Ser Thr Ala Pro Pro Ala His Gly Val Thr Ser Ala Pro Asp Thr
77      130      135      140
79 agg ccg ccc ccg ggc tcc acc gcc ccc gcc gcc cac ggt gtc acc tcg 537
80 Arg Pro Pro Pro Gly Ser Thr Ala Pro Ala Ala His Gly Val Thr Ser
81 145      150      155      160
83 gcc ccg gac acc agg ccg gcc ccg ggc tcc acc gcc ccc ccg gcc cac 585
84 Ala Pro Asp Thr Arg Pro Ala Pro Gly Ser Thr Ala Pro Pro Ala His
85      165      170      175
87 ggt gtc acc tcg gcc ccg gac aac agg ccg gcc ttg ggc tcc acc gcc 633
88 Gly Val Thr Ser Ala Pro Asp Asn Arg Pro Ala Leu Gly Ser Thr Ala
89      180      185      190
91 cct cca gtc cac aat gtc acc tcg gcc tca ggc tct gca tca ggc tca 681
92 Pro Pro Val His Asn Val Thr Ser Ala Ser Gly Ser Ala Ser Gly Ser
93      195      200      205
95 gct tct act ctg gtg cac aac ggc acc tct gcc agg gct acc aca acc 729
96 Ala Ser Thr Leu Val His Asn Gly Thr Ser Ala Arg Ala Thr Thr Thr
97      210      215      220
99 cca gcc agc aag agc act cca ccc agc att ccc agc cac cac tct gat 777
100 Pro Ala Ser Lys Ser Thr Pro Pro Ser Ile Pro Ser His His Ser Asp
101 225      230      235      240
103 act cct acc acc ctt gcc agc cat agc acc aag act gat gcc agt agc 825
104 Thr Pro Thr Thr Leu Ala Ser His Ser Thr Lys Thr Asp Ala Ser Ser
105      245      250      255
107 act cac cat agc acg gta cct cct ctc acc tcc tcc aat cac agc act 873
108 Thr His His Ser Thr Val Pro Pro Leu Thr Ser Ser Asn His Ser Thr
109      260      265      270
111 tct ccc cag ttg tct act ggg gtc tct ttc ttt ttc ctg tct ttt cac 921
112 Ser Pro Gln Ser Leu Ser Thr Gly Val Ser Phe Phe Phe Leu Ser Phe His
113      275      280      285
115 att tca aac ctc cag ttt aat tcc tct ctg gaa gat ccc agc acc gac 969
116 Ile Ser Asn Leu Gln Phe Asn Ser Ser Leu Glu Asp Pro Ser Thr Asp
117      290      295      300
119 tac tac caa gag ctg cag aga gac att tct gaa atg ttt ttg cag att 1017
120 Tyr Tyr Gln Glu Leu Gln Arg Asp Ile Ser Glu Met Phe Leu Gln Ile
121 305      310      315      320
123 tat aaa caa ggg ggt ttt ctg ggc ctc tcc aat att aag ttc agg cca 1065
124 Tyr Lys Gln Gly Gly Phe Leu Gly Leu Ser Asn Ile Lys Phe Arg Pro
125      325      330      335
127 gga tct gtg gtg gta caa ttg act ctg gcc ttc cga gaa ggt acc atc 1113
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RAW SEQUENCE LISTING

DATE: 01/31/2002

PATENT APPLICATION: US/09/658,621

TIME: 20:33:24

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\01312002\I658621.raw

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131 aat gtc cac gac gtg gag aca cag ttc aat cag tat aaa acg gaa gca 1161
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133          355          360          365
135 gcc tct cga tat aac ctg acg atc tca gac gtc agc gtg agt cat gtg 1209
136 Ala Ser Arg Tyr Asn Leu Thr Ile Ser Asp Val Ser Val Ser His Val
137          370          375          380
139 cca ttt cct ttc tct gcc cag tct ggg gct ggg gtg cca ggc tgg ggc 1257
140 Pro Phe Pro Phe Ser Ala Gln Ser Gly Ala Gly Val Pro Gly Trp Gly
141 385          390          395          400
143 atc gcg ctg ctg gtg ctg gtc tgt gtt ctg gtt gcg ctg gcc att gtc 1305
144 Ile Ala Leu Leu Val Leu Val Cys Val Leu Val Ala Leu Ala Ile Val
145          405          410          415
147 tat ctc att gcc ttg gct gtc tgt cag tgc cgc cga aag aac tac ggg 1353
148 Tyr Leu Ile Ala Leu Ala Val Cys Gln Cys Arg Arg Lys Asn Tyr Gly
149          420          425          430
151 cag ctg gac atc ttt cca gcc cgg gat acc tac cat cct atg agc gag 1401
152 Gln Leu Asp Ile Phe Pro Ala Arg Asp Thr Tyr His Pro Met Ser Glu
153          435          440          445
155 tac ccc acc tac cac acc cat ggg cgc tat gtg ccc cct agc agt acc 1449
156 Tyr Pro Thr Tyr His Thr His Gly Arg Tyr Val Pro Pro Ser Ser Thr
157          450          455          460
159 gat cgt agc ccc tat gag aag gtt tct gca ggt aat ggt ggc agc agc 1497
160 Asp Arg Ser Pro Tyr Glu Lys Val Ser Ala Gly Asn Gly Gly Ser Ser
161 465          470          475          480
163 ctc tct tac aca aac cca gca gtg gca gcc act tct gcc aac ttg 1542
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173 <213> ORGANISM: Homo sapiens
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180          20          25          30
182 Gly Glu Lys Glu Thr Ser Ala Thr Gln Arg Ser Ser Val Pro Ser Ser
183          35          40          45
185 Thr Glu Lys Asn Ala Val Ser Met Thr Ser Ser Val Leu Ser Ser His
186          50          55          60
188 Ser Pro Gly Ser Gly Ser Ser Thr Thr Gln Gly Gln Asp Val Thr Leu
189 65          70          75          80
191 Ala Pro Ala Thr Glu Pro Ala Ser Gly Ser Ala Ala Thr Trp Gly Gln
192          85          90          95
194 Asp Val Thr Ser Val Pro Val Thr Arg Pro Ala Leu Gly Ser Thr Thr
195          100          105          110
197 Pro Pro Ala His Asp Val Thr Ser Ala Pro Asp Asn Lys Pro Ala Pro

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RAW SEQUENCE LISTING

DATE: 01/31/2002

PATENT APPLICATION: US/09/658,621

TIME: 20:33:24

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\01312002\I658621.raw

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198          115          120          125
200 Gly Ser Thr Ala Pro Pro Ala His Gly Val Thr Ser Ala Pro Asp Thr
201          130          135          140
203 Arg Pro Pro Pro Gly Ser Thr Ala Pro Ala Ala His Gly Val Thr Ser
204 145          150          155          160
206 Ala Pro Asp Thr Arg Pro Ala Pro Gly Ser Thr Ala Pro Pro Ala His
207          165          170          175
209 Gly Val Thr Ser Ala Pro Asp Asn Arg Pro Ala Leu Gly Ser Thr Ala
210          180          185          190
212 Pro Pro Val His Asn Val Thr Ser Ala Ser Gly Ser Ala Ser Gly Ser
213          195          200          205
215 Ala Ser Thr Leu Val His Asn Gly Thr Ser Ala Arg Ala Thr Thr Thr
216          210          215          220
218 Pro Ala Ser Lys Ser Thr Pro Pro Ser Ile Pro Ser His His Ser Asp
219 225          230          235          240
221 Thr Pro Thr Thr Leu Ala Ser His Ser Thr Lys Thr Asp Ala Ser Ser
222          245          250          255
224 Thr His His Ser Thr Val Pro Pro Leu Thr Ser Ser Asn His Ser Thr
225          260          265          270
227 Ser Pro Gln Leu Ser Thr Gly Val Ser Phe Phe Phe Leu Ser Phe His
228          275          280          285
230 Ile Ser Asn Leu Gln Phe Asn Ser Ser Leu Glu Asp Pro Ser Thr Asp
231          290          295          300
233 Tyr Tyr Gln Glu Leu Gln Arg Asp Ile Ser Glu Met Phe Leu Gln Ile
234 305          310          315          320
236 Tyr Lys Gln Gly Gly Phe Leu Gly Leu Ser Asn Ile Lys Phe Arg Pro
237          325          330          335
239 Gly Ser Val Val Val Gln Leu Thr Leu Ala Phe Arg Glu Gly Thr Ile
240          340          345          350
242 Asn Val His Asp Val Glu Thr Gln Phe Asn Gln Tyr Lys Thr Glu Ala
243          355          360          365
245 Ala Ser Arg Tyr Asn Leu Thr Ile Ser Asp Val Ser Val Ser His Val
246          370          375          380
248 Pro Phe Pro Phe Ser Ala Gln Ser Gly Ala Gly Val Pro Gly Trp Gly
249 385          390          395          400
251 Ile Ala Leu Leu Val Leu Val Cys Val Leu Val Ala Leu Ala Ile Val
252          405          410          415
254 Tyr Leu Ile Ala Leu Ala Val Cys Gln Cys Arg Arg Lys Asn Tyr Gly
255          420          425          430
257 Gln Leu Asp Ile Phe Pro Ala Arg Asp Thr Tyr His Pro Met Ser Glu
258          435          440          445
260 Tyr Pro Thr Tyr His Thr His Gly Arg Tyr Val Pro Pro Ser Ser Thr
261          450          455          460
263 Asp Arg Ser Pro Tyr Glu Lys Val Ser Ala Gly Asn Gly Gly Ser Ser
264 465          470          475          480
266 Leu Ser Tyr Thr Asn Pro Ala Val Ala Ala Thr Ser Ala Asn Leu
267          485          490          495
271 <210> SEQ ID NO: 3
272 <211> LENGTH: 9

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RAW SEQUENCE LISTING

DATE: 01/31/2002

PATENT APPLICATION: US/09/658,621

TIME: 20:33:24

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\01312002\I658621.raw

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274 <213> ORGANISM: Homo sapiens
276 <220> FEATURE:
277 <221> NAME/KEY: CDS
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287 <211> LENGTH: 9
288 <212> TYPE: PRT
289 <213> ORGANISM: Homo sapiens
291 <400> SEQUENCE: 4
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332 <212> TYPE: PRT
333 <213> ORGANISM: Homo sapiens
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337   1           5
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343 <212> TYPE: PRT
344 <213> ORGANISM: Homo sapiens
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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/658,621

DATE: 01/31/2002

TIME: 20:33:25

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\01312002\I658621.raw

L:278 M:351 W: Sequence data Name/Key Feature Out-of-Range, SEQ ID#:3, CDS LOCATION: (58)..
(1542)

L:513 M:351 W: Sequence data Name/Key Feature Out-of-Range, SEQ ID#:24, CDS LOCATION: (58)..
(1542)



1600

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/658,621

DATE: 01/26/2002

TIME: 13:35:02

Input Set : A:\029395-017.ST25.txt

Output Set: N:\CRF3\01262002\I658621.raw

**Does Not Comply
Corrected Diskette Needed**

4 <110> APPLICANT: Taylor-Papadimitriou, Joyce
 5 Heukamp, Lukas Carl
 6 Offringa, Rienk
 7 Melief, Cornelis Johanna Maria
 8 Acres, Bruce
 9 Thomas, Mireille
 11 <120> TITLE OF INVENTION: MUC-1 derived peptides
 13 <130> FILE REFERENCE: 029395-017
 15 <140> CURRENT APPLICATION NUMBER: US 09/658,621
 16 <141> CURRENT FILING DATE: 2000-09-08
 18 <150> PRIOR APPLICATION NUMBER: US 60/187,215
 19 <151> PRIOR FILING DATE: 2000-03-03
 21 <150> PRIOR APPLICATION NUMBER: GB 9921242.5
 22 <151> PRIOR FILING DATE: 1999-09-08
 24 <150> PRIOR APPLICATION NUMBER: EP 99 40 2237.4
 25 <151> PRIOR FILING DATE: 1999-09-10
 27 <160> NUMBER OF SEQ ID NOS: 67
 29 <170> SOFTWARE: PatentIn Ver. 2.1

ERRORED SEQUENCES

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 928 20 25 30
 930 Gly Glu Lys Glu Thr Ser Ala Thr Gln Arg Ser Ser Val Pro Ser Ser
 931 35 40 45
 933 Thr Glu Lys Asn Ala Val Ser Met Thr Ser Ser Val Leu Ser Ser His
 934 50 55 60
 936 Ser Pro Gly Ser Gly Ser Ser Thr Thr Gln Gly Gln Asp Val Thr Leu
 937 65 70 75 80
 939 Ala Pro Ala Thr Glu Pro Ala Ser Gly Ser Ala Ala Thr Trp Gly Gln
 940 85 90 95
 942 Asp Val Thr Ser Val Pro Val Thr Arg Pro Ala Leu Gly Ser Thr Thr
 943 100 105 110
 945 Pro Pro Ala His Asp Val Thr Ser Ala Pro Asp Asn Lys Pro Ala Pro
 946 115 120 125

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/658,621

DATE: 01/26/2002

TIME: 13:35:02

Input Set : A:\029395-017.ST25.txt

Output Set: N:\CRF3\01262002\I658621.raw

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952 145      150      155      160
954 Ala Pro Asp Asn Arg Pro Ala Leu Gly Ser Thr Ala Pro Pro Val His
955      165      170      175
957 Asn Val Thr Ser Ala Ser Gly Ser Ala Ser Gly Ser Ala Ser Thr Leu
958      180      185      190
960 Val His Asn Gly Thr Ser Ala Arg Ala Thr Thr Thr Pro Ala Ser Lys
961      195      200      205
963 Ser Thr Pro Phe Ser Ile Pro Ser His His Ser Asp Thr Pro Thr Thr
964      210      215      220
966 Leu Ala Ser His Ser Thr Lys Thr Asp Ala Ser Ser Thr His His Ser
967 225      230      235      240
969 Thr Val Pro Pro Leu Thr Ser Ser Asn His Ser Thr Ser Pro Gln Leu
970      245      250      255
972 Ser Thr Gly Val Ser Phe Phe Phe Leu Ser Phe His Ile Ser Asn Leu
973      260      265      270
975 Gln Phe Asn Ser Ser Leu Glu Asp Pro Ser Thr Asp Tyr Tyr Gln Glu
976      275      280      285
978 Leu Gln Arg Asp Ile Ser Glu Met Phe Leu Gln Ile Tyr Lys Gln Gly
979      290      295      300
981 Gly Phe Leu Gly Leu Ser Asn Ile Lys Phe Arg Pro Gly Ser Val Val
982 305      310      315      320
984 Val Gln Leu Thr Leu Ala Phe Arg Glu Gly Thr Ile Asn Val His Asp
985      325      330      335
987 Val Glu Thr Gln Phe Asn Gln Tyr Lys Thr Glu Ala Ala Ser Arg Tyr
988      340      345      350
990 Asn Leu Thr Ile Ser Asp Val Ser Val Ser Asp Val Pro Phe Pro Phe
991      355      360      365
993 Ser Ala Gln Ser Gly Ala Gly Val Pro Gly Trp Gly Ile Ala Leu Leu
994      370      375      380
996 Val Leu Val Cys Val Leu Val Ala Leu Ala Ile Val Tyr Leu Ile Ala
997 385      390      395      400
999 Leu Ala Val Cys Gln Cys Arg Arg Lys Asn Tyr Gly Gln Leu Asp Ile
1000      405      410      415
1002 Phe Pro Ala Arg Asp Thr Tyr His Pro Met Ser Glu Tyr Pro Thr Tyr
1003      420      425      430
1005 His Thr His Gly Arg Tyr Val Pro Pro Ser Ser Thr Asp Arg Ser Pro
1006      435      440      445
1008 Tyr Glu Lys Val Ser Ala Gly Asn Gly Gly Ser Ser Leu Ser Tyr Thr
1009      450      455      460
1011 Asn Pro Ala Val Ala Ala Thr Ser Ala Asn Leu
1012 465      470      475

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/658,621

DATE: 01/26/2002

TIME: 13:35:03

Input Set : A:\029395-017.ST25.txt

Output Set: N:\CRF3\01262002\I658621.raw

L:278 M:351 W: Sequence data Name/Key Feature Out-of-Range, SEQ ID#:3, CDS LOCATION: (58)..
(1542)

L:513 M:351 W: Sequence data Name/Key Feature Out-of-Range, SEQ ID#:24, CDS LOCATION: (58)..
(1542)

L:923 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:67 differs:1